

FORM PCT/1390 (Modified)  
(REV. 07-2004)

U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

PU0246

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
to be assigned **10/517293**

INTERNATIONAL APPLICATION NO.  
**PCT/SE2003/001035**

INTERNATIONAL FILING DATE  
**18 June 2003**

PRIORITY DATE CLAIMED  
**28 June 2002**

## TITLE OF INVENTION

**Surface-Modified Base Matrices**

## APPLICANT(S) FOR DO/EO/US

**LARSSON, Anders; MEYER, Ulrika; STRIDSBERG FRIDEN, Kajsa; and VON HEIJNE, Eva**

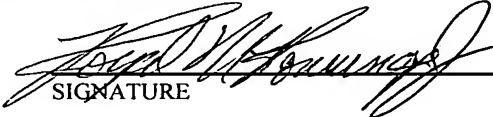
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 23 below concern document(s) or information included:**

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV 328148296 US**
23. ☒ Other items or information:

**copy of this transmittal letter for charging purposes, Certificate of Mailing by Express Mail, copies of the non-US references cited on the Information Disclosure Statement, copy of the PCT International-Type Search Report and a return postcard**

|   |              |   |           |  |    |  |
|---|--------------|---|-----------|--|----|--|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br>to be assigned <b>10/517293</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/SE2003/001035</b> |           | ATTORNEY'S DOCKET NUMBER<br><b>PU0246</b>  |    |  |
| 24. The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)) :</b><br><input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1110.00</b><br><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$950.00</b><br><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$790.00</b><br><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$750.00</b><br><input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b><br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |   |           | <b>CALCULATIONS PTO USE ONLY</b><br><br><table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="height: 100px;"></td></tr> </table> |    |  |
|   |              |   |           |  |    |  |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |   |           | <b>\$1,110.00</b><br><br><b>\$0.00</b>   |    |  |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE      |  |    |  |
| Total claims  | 28 - 20 =    | 8   | x \$18.00 | <b>\$144.00</b>  |    |  |
| Independent claims  | 2 - 3 =      | 0   | x \$88.00 | <b>\$0.00</b>  |    |  |
| Multiple Dependent Claims (check if applicable). <input type="checkbox"/>   |              |   |           | <b>\$0.00</b>  |    |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |           | <b>\$1,254.00</b>  |    |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.  |              |   |           | <b>\$0.00</b>  |    |  |
| <b>SUBTOTAL =</b>   |              |   |           | <b>\$1,254.00</b>  |    |  |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |           | <b>\$0.00</b>  |    |  |
| <b>TOTAL NATIONAL FEE =</b>   |              |   |           | <b>\$1,254.00</b>  |    |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <input type="checkbox"/>  |              |   |           | <b>\$0.00</b>  |    |  |
| <b>TOTAL FEES ENCLOSED =</b>  |              |   |           | <b>\$1,254.00</b>  |    |  |
|   |              |   |           | Amount to be refunded  | \$ |  |
|   |              |   |           | charged  | \$ |  |
| a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>502-590</u> in the amount of <u>\$1,254.00</u> to cover the above fees.<br>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>502-590</u><br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.  |              |   |           |  |    |  |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.  |              |   |           |  |    |  |
| <b>SEND ALL CORRESPONDENCE TO:</b><br>Customer No.: 22840<br><br>Amersham Biosciences Corp<br>Patent Department<br>800 Centennial Avenue<br>Piscataway, New Jersey 08855<br><br>(732) 457-8423  |              |   |           |  |    |  |
|   |              |   |           | <br>SIGNATURE  |    |  |
|   |              |   |           | <b>Royal N. Ronning, Jr.</b><br>NAME   |    |  |
|   |              |   |           | <u>32,529</u><br>REGISTRATION NUMBER   |    |  |
|   |              |   |           | <u>December 7, 2004</u><br>DATE  |    |  |

10/517293

**CERTIFICATE OF MAILING "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): A. Larsson, et al.

Docket No.

DT09 REC CT/PTO PU0246 07 DEC 2004

|                                   |                               |                            |                       |                                  |
|-----------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|
| Application No.<br>to be assigned | Filing Date<br>to be assigned | Examiner<br>to be assigned | Customer No.<br>22840 | Group Art Unit<br>to be assigned |
|-----------------------------------|-------------------------------|----------------------------|-----------------------|----------------------------------|

Invention: Surface-Modified Base Matrices

I hereby certify that the following correspondence:

transmittal letter with copy, filing fee, copy of the international application as published, copy of the international preliminary examination report, copy of the PCT international-type search report, Information Disclosure Statement (1pg) with copies of the cited non-US references, First Preliminary Amendment (9pgs), signed combined Declaration/Power of Attorney (4pgs) and a return postcard

(Identify type of correspondence)

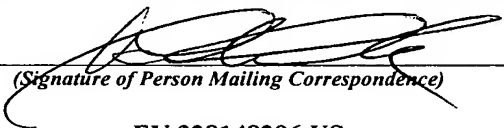
is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

December 7, 2004

(Date)

Melissa Leck

(Typed or Printed Name of Person Mailing Correspondence)

  
 (Signature of Person Mailing Correspondence)
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